



FORM PTO-1449A

INFORMATION DISCLOSURE CITATION

Attorney Docket:
4208-4153

Serial No.:
10/660,549

Applicants:
Juha SALOKANNEL et al.

Filing Date:
September 12, 2003

Group Art Unit:
2681

U.S. PATENT / PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
AW	1.	5,307,370	4/26/1994	Eness	
AW	2.	6,172,673	1/9/2001	Lehtinen et al.	
AW	3.	6,507,734	1/14/2003	Berger et al.	
AW	4.	2002/0065099	5/30/2002	Bjorndahl	
AW	5.	2002/0080866	6/27/2002	Bouet, et al.	
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FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Copy Filed	Translation
AW	15.	1274194 A1	1/8/03	EP	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
AW	16.	10140446 A1	3/6/03	DE	<input checked="" type="checkbox"/> Yes	Abstract
AW	17.	WO 99/38302	7/29/99	PCT	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
AW	18.	WO 99/41876	08/19/1999	PCT	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
AW	19.	WO 01/45319	06/21/2001	PCT	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
	20.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

Examiner /Andrew Wendell/

Date Considered 05/23/2006

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP §609.
Draw line through citation if not in conformance and not considered.
Include copy of this form with next communication to Applicant.

FORM PTO-1449 A INFORMATION DISCLOSURE CITATION				Attorney Docket: 4208-4153		Serial No.: 10/660,549	
				Applicants: Juha SALOKANNEL et al.			
				Filing Date: September 12, 2003		Group Art Unit: 2681	
U.S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
AW	1	2001/0055356 A1	12/27/01	Davies			
AW	2	2003/0100288 A1	5/29/03	Tomlinson, Jr., et al.			
AW	3	2003/0137966 A1	7/24/03	Odman, et al.			
AW	4	2003/0148767 A1	8/7/03	Sugaya, et al.			
AW	5	2003/0032422 A1	2/13/03	Wynbeek			
AW	6	2003/0078037 A1	4/24/03	Auckland, et al.			
FOREIGN PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
AW	7	1 185 033 A1	3/6/02	EP			
AW	8	2 287 383	9/13/95	GB			

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U.S. PATENT DOCUMENTS

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FOREIGN PATENT DOCUMENTS

Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
AW	7	1 185 033 A1	3/6/02	EP			
AW	8	2 287 383	9/13/95	GB			

Examiner /Andrew Wendell/	Date Considered 05/23/2006
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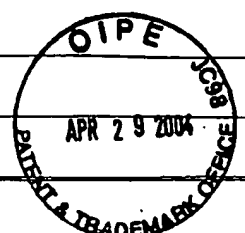
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FORM PTO-1449 B INFORMATION DISCLOSURE CITATION	Attorney Docket: 4208-4153	Serial No.: 10/660,549
	Applicants: Juha SALOKANNEL et al..	
	Filing Date: September 12, 2003	Group Art Unit: 2681

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, etc.)		
AW	9	Walter Hirt, "Ultra-wideband radio technology: overview and future research", COMPUTER COMMUNICATIONS, Amsterdam, NL, vol. 26, no. 1, February 2003, pp. 46-52
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Examiner /Andrew Wendell/	Date Considered 05/23/2006
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		Applicant(s): J. Salokannel et al.		Examiner: to be assigned	
		Filing Date: 9/12/2003		Group Art Unit: 2661	



U.S. PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Name	Class	Sub-Class	Filing Date
AW	AA	5,677,927	10/14/1997	Fullerton et al.	375	200	09/20/1994
AW	AB	5,687,169	11/11/1997	Fullerton	370	324	04/27/1995
AW	AC	6,549,567 B1	04/15/2003	Fullerton	375	219	12/09/1999
AW	AD	6,571,089 B1	05/27/2003	Richards et al.	455	266	06/02/2000
AW	AE	6,587,949 B1	07/01/2003	Steinberg	713	193	06/17/1999
AW	AF	2003/0063196 A1	04/03/2003	Palatov et al.	348	211.2	05/08/2000
AW	AG	2002/0073269 A1	06/13/2002	Kawashima et al.	711	100	12/12/2001
AW	AH	2001/0049262 A1	12/06/2001	Lehtonen	455	41	05/23/2001

FOREIGN PATENT DOCUMENTS							
Examiner Initial		Patent Number	Publication Date	Country	Class	Sub-Class	Translation
	AI						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AJ						<input type="checkbox"/> Yes <input type="checkbox"/> No
	AK						<input type="checkbox"/> Yes <input type="checkbox"/> No

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Papers, etc.)		
AW	AL	The Bluetooth Special Interest Group, Specification of The Bluetooth System, Vol. 1 & Vol. 2, Core and Profiles: Version 1.1, February 22, 2001.
AW	AM	O'Donnell et al., "An Integrated, Low Power, Ultra-Wideband Transceiver Architecture for Low-Rate, Indoor Wireless Systems", Dept. of Electrical Engineering & Computer Science, University of California, Berkeley, Berkeley, CA, 8 pgs.
AW	AN	P. I. I. Withington, et al., "An Impulse Radio Communication System", "Proceedings of the International Conference on Ultra-Wideband, Short Pulse Electromagnetics", (ISBN 0-306-44530-1), October 19, 1992, pgs. 113-200.
AW	AO	J. Bray and C. Sterman, "Bluetooth 1.1-Connect Without Cables", Prentice Hall Inc., Upper Saddle River, NJ 1002 (ISBN 0-13-066106-6), Sects. 5.4., pgs. 70-78
AW	AP	D. J. Costello, Jr., et al., "Applications of Error-Control Coding", IEEE Transactions of Information Theory, October 1998, Vol. 44, pgs.2531-2560

Examiner /Andrew Wendell/	Date Considered 05/23/2006
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RELATED CASE SUBMISSION		Attorney Docket: 4208-4153		Serial No.: 10/660,549		
		Applicant: J. SALOKANNEL et al.		Examiner: to be assigned		
		Filing Date: 09/12/2003		Group Art Unit: 2661		
RELATED PENDING APPLICATIONS						
Examiner Initial		Serial No.	Filing Date	Inventor(s)	Patent No. (if applicable)	Issue Date (if applicable)
AW	1	10/660,634	9/12/03	M. Oksanen et al.		
AW	2	10/660,545	9/12/03	A. Palin et al.		
AW	3	10/660,544	9/12/03	A. Palin et al.		
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Examiner /Andrew Wendell/			Date Considered 05/23/2006			

**RELATED CASE
SUBMISSION**Attorney Docket:
4208-4153Serial No.:
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Juha SALOKANNEL et al.Filing Date:
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2681**RELATED PENDING APPLICATIONS**

Examiner Initial		Serial No.	Filing Date	Inventor(s)	Publication No. or Patent No. (if applicable)	Publication Date or Issue Date (if applicable)
AW	1	10/694,881	10/29/03	Palin, et al.	2005-0097408 A1	5/5/05
AW	2	10/870,060	6/18/04	Kossi, et al.		
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U.S. PATENT/PUBLICATION DOCUMENTS

Examiner Initial		Patent/Publication Number	Publication/Issue Date	Name	Filing Date
AW	1.	2004/0066762 A1	04-08-04	Ari Alastalo	
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AW	15.	WO 03/084146 A1	09-10-03	WIPO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
AW	16.	WO 02/21746 A2	03-14-02	WIPO	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No
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	20.				<input type="checkbox"/> Yes	<input type="checkbox"/> Yes <input type="checkbox"/> No

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